Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/10/2020 10:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124485	-1	2.07	124667	2.01
Blue	F	SSC	125000	124229	-1	1.66	125076	1.63
Blue	E	FITC	15892	15420	-3	2.87	336	20.34
Blue	D	PE	29999	29421	-2	2.11	641	14.79
Blue	B	PerCP-Cy5-5	43732	43680	-1	3.68	1176	20.99
Blue	A	PE-Cy7	30845	31124	0	6.19	592	42.09
Red	C	APC	46112	45399	-2	2.41	1600	11.88
Red	A	APC-Cy7	30458	29627	-3	2.37	781	12.05
Violet	B	V450	7918	7470	-6	4.92	417	13.60
Violet	A	V500	32171	31229	-3	4.75	725	10.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17541	10.56	620	-1	N/A	N/A	Pass
Blue	F	SSC	56496	1.26	560	1	N/A	N/A	Pass
Blue	E	FITC	60	65.09	542	-1	0.0194	128	Pass
Blue	D	PE	133	51.07	548	0	0.1709	309	Pass
Blue	B	PerCP-Cy5-5	215	50.10	659	3	0.0083	14	Pass
Blue	A	PE-Cy7	107	105.02	703	5	0.0102	13	Pass
Red	C	APC	381	25.18	587	3	0.0260	197	Pass
Red	A	APC-Cy7	172	28.83	559	3	0.0055	899	Pass
Violet	B	V450	64	59.75	464	6	0.0470	1813	Pass
Violet	A	V500	108	34.11	481	7	0.0233	806	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/10/2020 10:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.27	-31.72	0.96
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	15.56	13.60 - 20.40	N/A	N/A	29.19	29.73	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10298

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments